



# **STIC Search Report**

## **EIC 2100**

**STIC Database Tracking Number: 218989**

**TO: Kevin Bates**  
**Location: RND 4A68**  
**Art Unit: 2155**  
**Monday, April 02, 2007**

**Case Serial Number: 09/729568**

**From: Lucy Park**  
**Location: EIC 2100**  
**RND 4B31**  
**Phone: 2-8667**

**lucy.park@uspto.gov**

### **Search Notes**

Dear Examiner Bates:

Here are the results of your search on case #09/729568. Please let me know if you have any questions about the search, or if you'd like me to refocus it.

Thanks,  
Lucy

Lucy Park  
Patent Searcher  
EIC 2100  
571-272-8667

Access DB# 218989  
113

## SEARCH REQUEST FORM

Scientific and Technical Information Center

Requester's Full Name: Kevin Bates Examiner #: 79966 Date: 3/21/07  
Art Unit: 2155 Phone Number: 2-3980 Serial Number: 09/729,569  
Mail Box and Bldg/Room Location: RAN 4A68 Results Format Preferred (circle): PAPER DISK E-MAIL

**If more than one search is submitted, please prioritize searches in order of need.**

\*\*\*\*\*

Please provide a detailed statement of the search topic, and describe as specifically as possible the subject matter to be searched. Include the elected species or structures, keywords, synonyms, acronyms, and registry numbers, and combine with the concept or utility of the invention. Define any terms that may have a special meaning. Give examples or relevant citations, authors, etc, if known. Please attach a copy of the cover sheet, pertinent claims, and abstract.

Title of Invention: Apparatus and Method for Computation of a Pricing Index

Inventors (please provide full names): Tomoshi Hirayama  
Hisashi Tomita

Earliest Priority Filing Date: 12/09/1999

*\*For Sequence Searches Only\* Please include all pertinent information (parent, child, divisional, or issued patent numbers) along with the appropriate serial number.*

This case needs a business method template search.

The claims contain a combination of digital rights management  
restricting the number of copies of data can be made by a user  
attaching the digital signature or security to the copies

Also it contains a business method of determining a price index for digital content

it attempts to calculate demand for the item based on:  
how many times it gets downloaded and  
how many times it gets copied

RECEIVED  
MAR 21 2007

\*\*\*\*\*

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Type of Search

Vendors and cost where applicable

[File 8] **Ei Compendex(R)** 1884-2007/Mar W3  
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[File 35] **Dissertation Abs Online** 1861-2007/Feb  
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[File 2] **INSPEC** 1898-2007/Mar W3  
(c) 2007 Institution of Electrical Engineers. All rights reserved.

[File 94] **JICST-EPlus** 1985-2007/Apr W1  
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*\*File 94: JICST will be removed from all vendors on March 31, 2007. Please contact the Knowledge Center for alternative files.*

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[File 434] **SciSearch(R) Cited Ref Sci** 1974-1989/Dec  
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[File 34] **SciSearch(R) Cited Ref Sci** 1990-2007/Mar W3  
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[File 99] **Wilson Appl. Sci & Tech Abs** 1983-2007/Feb  
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[File 95] **TEME-Technology & Management** 1989-2007/Mar W4  
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[File 474] **New York Times Abs** 1969-2007/Mar 30  
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[File 475] **Wall Street Journal Abs** 1973-2007/Mar 30  
(c) 2007 The New York Times. All rights reserved.

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Set Items Postings Description

S1 17770827 39194109 S DATA OR CONTENT OR FILE? ? OR SONG? ? OR MP3 OR VIDEO? ? OR  
MUSIC OR (AUDIOVISUAL OR AUDIO)VISUAL OR MULTIMEDIA OR  
MULTI(MEDIA)(3N)INFORMATION

S2 18446221 32374789 S NUMBER? ? OR HOW(MANY OR TIMES OR AMOUNT? ?

S3 53934 143663 S S2(3N)(COPY??? OR COPIE? ? OR REPRODUC??? OR REPRODUCTION? ? OR  
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 S4 73004 277381 S (DIGITAL?? OR ELECTRONIC?)(3N)(SIGNATURE? ? OR FINGERPRINT??? OR  
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 S5 17567488 52404976 S PRICE? ? OR PRICING OR BILL??? OR COST??? OR INVOIC??? OR FEE OR  
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 S9 13 78 RD (unique items)  
 S10 3 20 S S9 NOT PY=2000:2007  
 S11 1475 4788 S S1(3N)S3  
 S12 7647 27230 S S1(3N)S7  
 S13 397 2415 S S11:S12 AND S6  
 S14 25 202 S S13 AND (DRM OR DIGITAL()RESOURCE? ?()MANAGEMENT OR PIRAT??? OR  
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 S19 463 4826 S S17 AND S18 AND S6  
 S20 116 1998 S S19 AND (DRM OR DIGITAL()RESOURCE? ?()MANAGEMENT OR PIRAT??? OR  
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 S21 110 1884 RD (unique items)  
 S22 109 1868 S S21 NOT (S10 OR S16)  
 S23 9 139 S S22 NOT PY=2000:2007  
 S24 7 93 S S19 AND S4  
 S25 1 11 S S24 NOT PY=2000:2007  
 S26 196373 514423 S PRIC??? (3N)INDEX???  
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 S28 50 772 S S27 AND S1 AND (DRM OR DIGITAL()RESOURCE? ?()MANAGEMENT OR  
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 S30 45 721 S S29 NOT (S10 OR S16 OR S22)  
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 S32 5733 60861 S S11:S12 AND S5  
 S33 291 3222 S S32 AND (DRM OR DIGITAL()RESOURCE? ?()MANAGEMENT OR PIRAT??? OR  
 PIRACY OR (ACCESS??? OR USAGE)(3N)(RIGHT? ? OR AGREEMENT? ? OR LICENSE? ?))  
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 S35 18 194 S S34 NOT PY=2000:2007  
 S36 18 194 RD (unique items)

10/3,K/3 (Item 1 from file: 20) Links  
Dialog Global Reporter  
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07383676 (USE FORMAT 7 OR 9 FOR FULLTEXT)  
Watermarks to deter digital piracy

NEW STRAITS TIMES (MALAYSIA)  
September 23, 1999  
Journal Code: FNST Language: English Record Type: FULLTEXT  
Word Count: 1067  
(USE FORMAT 7 OR 9 FOR FULLTEXT)

...the digital content. For example, a creator of a digital music may want to monitor how many times users have downloaded a particular song.

One common feature in all watermarks is that they all store cryptographic keys. These keys...

...can also decide to choose "copy many times" attribute which will allow the user to copy the content several times. However, the copying is limited to a specific number of copies, for example, 20 times. Once the specified...

23/3,K/8 (Item 8 from file: 20) [Links](#)  
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03773895 (USE FORMAT 7 OR 9 FOR FULLTEXT)  
**Music, Technology Industry Targets Online Piracy**

Clint Swett  
KRTBN KNIGHT-RIDDER TRIBUNE BUSINESS NEWS ( SACRAMENTO (CALIF.) BEE)  
December 16, 1998  
**Journal Code: KSAB Language: English Record Type: FULLTEXT**  
**Word Count: 734**  
(USE FORMAT 7 OR 9 FOR FULLTEXT)  
**Music, Technology Industry Targets Online Piracy**

...the music and technology industries announced Tuesday that they are joining forces to thwart music **pirating** on the Internet while, at the same time, encouraging the distribution of their artists over...

...T said they will develop technology that would allow the recording industry to charge for **downloading** the music. The technology also would prevent the music from being copied without paying royalties to the artists or the record companies.

...they envi Continued from page E1  
sion all technologies will be compatible so consumers can **download music** with a wide variety of hardware and software.  
Hilary Rosen, president and chief executive officer...

...hovering in the background was the specter of MP3, a popular format for posting and **downloading music** on the Web. In the past, industry executives have complained bitterly that people are taking...

...royalties to the artists or record labels.

The industry has had a difficult time combating **piracy** because of the ease with which violators can establish or shut down Web sites with **pirated music**.

Recording executives declined Tuesday to speculate how much they are losing to online **pirating**.

Few record companies voluntarily put their music online via MP3 because there's currently no way to keep it from being **pirated**. But with new security technology, the major labels would be more inclined to put their...

...said SDMI has been spurred by Rio, a \$200 Walkman-size device that can play **MP3 music downloaded** from the Internet with CD-quality sound. The RIAA unsuccessfully sued to bar Rio from the market, saying it encouraged music **pirating**.

"Here comes a means for **downloading music** and putting it on a device where you can hear real sound quality," Iser said...

...a technology market research firm, said SDMI could prove an effective way to slow down **pirating**.

"What the industry needs badly is to create an alternative to **pirated music** online. Then they could come out and say, 'Look, the

quality is guaranteed and don't support **pirated** music because you are stealing money from your favorite artist," he said.

What the industry envisions is a variety of hardware and software products that make **downloading music** easy, but **copying** it difficult, said Cary Sherman, senior executive vice president for the RIAA.

For instance buyers...

...Web site and pay via credit card to download Jewel's latest album to their **computers**. For one **price** they could download a version that could be copied just once onto a single CD...

36/3,K/5 (Item 5 from file: 20) Links

Dialog Global Reporter

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08282104 (USE FORMAT 7 OR 9 FOR FULLTEXT)

Internet Trends: CMB Software Tackles The Online Content Challenge

Robert Lau

ASIA COMPUTER WEEKLY

November 22, 1999

Journal Code: FACW Language: English Record Type: FULLTEXT

Word Count: 910

(USE FORMAT 7 OR 9 FOR FULLTEXT)

...as content publishers.

Whether the goal is a profitable new online content business or a cost-effective way to meet customer demand for online content delivery, customer management and **billing** services are critical.

Providers need to offer real time access control based on account activity...

...different ways.

For example, a content provider or publisher may be supporting both free and **fee-for-service** subscribers. Where the content is copyright, remittances may need to be paid to...

...only one of many IP services offered. The provider must select a customer management and **billing** platform that can meet these challenges, grow with the business and integrate with existing applications.

CMB software

Fortunately, some vendors have developed customer management and **billing** (CMB) software for that purpose. Portal Infranet is one such solution.

The online content provider...

...provider can capture useful demographic data such as income level and interests.

Customer management and **billing** software provides account creation, Infranet will provide the publishing system with the information needed to...

...This is the basis of real time control over content access. Does the user have **access rights** to premium content? How many articles per month may be downloaded? Are there time-of...

...later.

Once customer access begins, events are passed from the content delivery system to the **billing** system. Such software can track any type of activity and update both monetary account balances and non-monetary balances, such as megabytes **downloaded**, **songs downloaded**, **number of articles downloaded** or games played.

Rating activity can create changes in account status that are of interest...



...his last free download for the month and must purchase further services.

#### Support For Different Pricing Models

Content **billing** systems must support a variety of pricing models including one-time access fees, recurring subscriptions, charges per item, and premiums or discounts based on content type of other...

...cross-service discounts and promotions.

Common to all providers is the fact that the initial **pricing** models will change in response to competition, market evolution and the introduction of new services. So the **billing** system must be able to cope with rapid **price** and structural changes.

Just as important, these changes must be easy for relatively unskilled operators to implement, without additional programming.

Online content is typically **billed** on a subscription or fee-per-download basis, using credit card, **invoice** or direct debit.

Charging a subscriber's credit card for micro-payments often involving sums...

...is cost prohibitive because of the minimum **fees** charged by credit card companies. So the **billing** system must be able to accumulate small charges and **bill** the subscriber in aggregate on a periodic basis. Another solution is for the **billing** system to administer a prepaid customer 'wallet' from which the customer can draw funds to...

#### ...Party Providers

With CMB software, third-party providers can be established as accounts in the **billing** database and credits can occur in real time during the rating process or as part of the **billing** cycle. This enables providers that manage access to third-party content to pay the content number of accesses or other criteria.

Needless to say, the customer management and **billing** system must offer very flexible reporting to accommodate all the possible permutations of business model...

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06472590 (USE FORMAT 7 OR 9 FOR FULLTEXT)  
Contra Costa Times, Walnut Creek, Calif., Computer Column

Yael Li-Ron  
KRTBN KNIGHT-RIDDER TRIBUNE BUSINESS NEWS ( CONTRA COSTA TIMES - WALNUT CREEK,  
CALIFORNIA)  
July 31, 1999  
Journal Code: KCCT Language: English Record Type: FULLTEXT  
Word Count: 589  
(USE FORMAT 7 OR 9 FOR FULLTEXT)  
Contra Costa Times, Walnut Creek, Calif., Computer Column

...stipulations -- consumers will specify for how long they'd want to  
listen to the purchased music, and how many  
copies they'll be allowed to make of it. Phase II of the spec will  
apply...

...argues that the recording industry should profit from the sales of music  
tracks, and that piracy, which is the most prevalent form of MP3  
distribution today, should be stopped. The question...

...settle for SDMI, and the recording industry will finally recapture its  
market. Until then, the piracy will continue, and there's nothing  
anybody can do about it.

Following last week's...

36/3,K/10 (Item 10 from file: 20) Links

Dialog Global Reporter

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06287975 (USE FORMAT 7 OR 9 FOR FULLTEXT)

**Science and Technology: Digital rights and wrongs: Protecting electronic property: Computers were supposed to be threatening copyright. Instead, they may end up making it stronger**

ECONOMIST

July 17, 1999

**Journal Code: FECN Language: English Record Type: FULLTEXT**

**Word Count: 1597**

**(USE FORMAT 7 OR 9 FOR FULLTEXT)**

...of illegal copies of newly released songs, these devices are supposed to understand predetermined digital-**usage rights**. The scheme's "default" setting is that people should not be able to own more...

...copyright. They could decide, for example, how often consumers would be allowed to play a song, **how many copies** they could make of it and if they should be able to upload it on...

...home" to a special Internet clearing-house to arrange for the payment of a suitable fee.

Mine, all mine

Digital-rights-management systems are built around a concept that Mark Stefik...

...far is Intertrust's technology. It allows creators, publishers and distributors to attach not just **usage rights** to their content, but business rules such as tailored **pricing**. With a software tool called Commerce Modeler, content creators can, for example, permit users to...

...publisher uploads its content on to one of the company's computers, it sets the **price** and defines, for example, whether the product can also be saved or printed by any...

## LookSmart

[FindArticles](#) > [Business Wire](#) > [July 13, 1998](#) > [Article](#) > [Print friendly](#)

### **InterTrust Announces Internet and In-Store Kiosk Music Vending Solution; New Commerce 1.0 Addresses Music Piracy, Sales Channel, and Commerce Model Issues**

NEW YORK--(BUSINESS WIRE)--July 13, 1998--InterTrust Technologies Corporation today announced support for Internet and in-store kiosk music vending using InterTrust(TM) Commerce 1.0, a digital commerce system. The recently announced system enables artists, producers, and retailers to package, sell, and deliver music over the Internet or in-store music kiosk vending machines. Commerce 1.0 solves three music industry problems relating to online distribution of music - piracy, distribution channel support, and new commerce models for the online sales channel.

InterTrust Commerce 1.0 is a digital commerce system that enables music and other digital information to be packaged, sold, and delivered via the Internet or any digital medium with persistent protection, distribution channel support, superdistribution, and easy commerce modeling.

The system with music vending capabilities will be publicly shown for the first time at the Jupiter Plug.in Conference on July 15-16, 1998, at the Crowne Plaza Hotel in New York. In a related announcement, InterTrust announced receipt of an export license for its Commerce 1.0 and Enterprise 1.0 products.

"Internet music sales and fulfillment require positive, satisfying user experiences, superior economic value, and effective securing of all participant interests," said Victor Shear, founder and chief executive officer of InterTrust. "All relevant parties must be paid, and commercial processes must be transparent and trivially easy to use."

Shear added, "Today's announcement by InterTrust sets the stage for successful Internet, DVD, and in-store music distribution models. With Commerce 1.0, the industry will be able to profoundly increase its sales and profits while simultaneously reducing the risks of piracy, fraud, and security breaches."

#### **Addressing Music Industry Issues**

InterTrust Commerce 1.0 addresses three fundamental music industry problems associated with digital music distribution:

-- Piracy: InterTrust's persistent protection is the result of

industry leading technology inventions that prevent widespread theft and copying, such as posting of digital music masters on the Internet.

-- Distribution Channel Support: InterTrust's value chain capability

allows distribution channel partners to be included in the sales and commissions from Internet-based sales and fulfillment.

-- New Online Commerce Models: InterTrust's Commerce Modeler(TM)

product enables music industry developers to readily incorporate elements associated with cross-merchandising, promotion, direct response marketing, and event coordination related to the sale of music.

#### **Internet Music Market**

Internet music sales were \$37 million in 1997, according to the Recording Industry Association of America (RIAA). Sales for 1998 are forecast to increase to \$179 million and then grow to \$2.8 billion in 2002, according to Jupiter Communications, a New York-based market research firm.

The growth in sales will be fueled by the transition from physical fulfillment to Internet-based fulfillment of music sales. Internet-based fulfillment will require increased consumer Internet bandwidth and the adoption of software to protect the rights of music creators, publishers, distributors, and sellers.

"Music companies can take advantage of Commerce 1.0 now to market to college students and upscale consumers with high-bandwidth Internet access at home, school, or work," said Joseph W. Jennings, senior vice president, Marketing, InterTrust Technology Corp. "Whether you want to sell through in-store kiosks or over the Web, Commerce 1.0 allows music vending to be protected, efficient, and highly flexible."

#### Commerce 1.0 for Internet and In-Store Kiosk Music Sales

Using Commerce 1.0, consumers will download an InterRights(TM) Point, establish their RightsWallet(TM), select music from both websites and kiosks, and receive music in a DigiBox(TM) container on a purchase, pay-per-use, pay-to-own, or rental basis. They can save their music, for example, to a hard drive, Recordable CD, flash RAM, or DVD-RAM disc, while maintaining persistent protection of creative, publishing, and distribution rights.

Consumers can receive incentives to pass along music to friends for purchase and use, and can receive cross promotions for other music, merchandise, tickets, or music videos. Payment and usage information is collected either online or through passing aggregated micro-transaction information to an InterTrust payment and usage processing partner. Payment is then disaggregated and parsed to value chain members: stores, distributors, record companies, artists, agents, etc.

The Commerce 1.0 system uniquely delivers the persistent protection, easy business modeling, usage auditing, and payment processing necessary for efficient digital commerce on the Internet or in-store music kiosk. It is compatible with, and makes safe, music industry encoding standards, including AAC, MP3, Twin-VQ, AVI, WAV, AC3, and Red Book.

Music industry developers can use, if desired, third-party payment and usage processing center partners such as Rights Exchange, Inc. (formerly SOFTBANK Net Solutions) or Mitsubishi Corporation for information and payment processing services, allowing fast time-to-market.

Consumer systems currently require Microsoft Windows(R) 95 or NT(R) 4.0 and 5 MB minimum disk space. Commerce infrastructure and processing requires Microsoft NT 4.0 or Sun Solaris(TM) 2.5.1. Platforms under development include Windows CE, Windows 98, Microsoft NT 5.0, and Java.

"If your developers can use Visual Basic, they can readily build sophisticated music marketing, selling, and fulfillment systems," said Richard Landsman, InterTrust vice president of engineering. "Whether creating a vending application for the Internet or in-store kiosk, InterTrust is the only software available that can persistently protect your content, pay your partners, and track usage over a wide range of consumers worldwide, as well as generally automate asset management."

#### The Company

InterTrust is the digital commerce and information security company. It has shipped digital commerce systems for building commerce, enterprise, and extranet solutions. InterTrust enables partners and customers to quickly respond to new business conditions, digital distribution channels, and enterprise business relationships with protected, efficient, and flexible systems.

The InterTrust Strategic Technologies and Architectural Research Laboratory (STAR Lab) is the leading digital commerce and information security research lab.

#### Contacts

Public Relations: Barry Strauss, InterTrust, 408/222-6252, [barrys@intertrust.com](mailto:barrys@intertrust.com) Drew Lane, ACI, 415/923-1660, [dlane@alexander-pr.com](mailto:dlane@alexander-pr.com) Sales: William Jordan, InterTrust, 408-222-6100, [bjordan@intertrust.com](mailto:bjordan@intertrust.com) International: Douglas Armati, InterTrust, 44-1473-738-400, [armati@intertrust.com](mailto:armati@intertrust.com) Technology: David Van Wie, InterTrust, 408/222-6100, [vanwie@intertrust.com](mailto:vanwie@intertrust.com)

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Barry Strauss, 408/222-6252, [barrys@intertrust.com](mailto:barrys@intertrust.com)  
or  
Alexander Communications  
Drew Lane, 415/923-1660, [dlane@alexander-pr.com](mailto:dlane@alexander-pr.com)

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[File 347] JAPIO Dec 1976-2006/Nov(Updated 070228)  
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[File 350] Derwent WPIX 1963-2006/UD=200720  
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*\*File 350: DWPI has been enhanced to extend content and functionality of the database. For more info, visit  
<http://www.dialog.com/dwpi/>.*

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; d s
Set Items Postings Description
S1 3094722 20284284 S DATA OR CONTENT OR FILE? ? OR SONG? ? OR MP3 OR VIDEO? ? OR
MUSIC OR (AUDIOVISUAL OR AUDIO()VISUAL OR MULTIMEDIA OR
MULTI()MEDIA)(3N)INFORMATION
S2 3395376 9063473 S NUMBER? ? OR HOW()MANY OR TIMES OR AMOUNT? ?
S3 16383 69283 S S2(3N)(COPY??? OR COPIE? ? OR REPRODUC??? OR REPRODUCTION? ? OR
REPLICA???? OR DUPLICAT????)
S4 12716 121166 S (DIGITAL?? OR ELECTRONIC?)(3N)(SIGNATURE? ? OR FINGERPRINT??? OR
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S5 1183801 1868457 S PRICE? ? OR PRICING OR BILL??? OR COST??? OR INVOIC???
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INDEX???)
S7 37699 124878 S S2(3N)(DOWNLOAD??? OR DOWN()LOAD??? OR SHARE? ? OR SHARING OR
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S8 19 695 S S1 AND S3 AND S4
S9 7 197 S S8 NOT AD=19991209:20031209/PR
S10 4 89 S S9 NOT AD=20031209:20070330/PR
S11 1748 9688 S S1(3N)S3
S12 5639 27134 S S1(3N)S7
S13 29 313 S S11 AND S12
S14 0 0 S S13 AND S6
S15 2 20 S S13 AND S5
S16 27 295 S S13 NOT S15
S17 18 170 S S16 NOT AD=19991209:20031209/PR
S18 13 114 S S17 NOT AD=20031209:20070330/PR
S19 13 114 S S18 NOT S10
S20 104582 624502 S S1(3N)(COPY??? OR COPIE? ? OR REPRODUC??? OR REPRODUCTION? ? OR
REPLICA???? OR DUPLICAT????)
S21 252306 1379979 S S1(3N)(DOWNLOAD??? OR DOWN()LOAD??? OR SHARE? ? OR SHARING OR
SAVE? ? OR SAVING OR TRANSMIT????)
S22 25 515 S S20 AND S21 AND S6
S23 25 515 S S22 NOT (S10 OR S19)
S24 10 277 S S23 NOT AD=19991209:20031209/PR
S25 8 249 S S24 NOT AD=20031209:20070330/PR
S26 1269 12977 S S20:S21 AND S6
S27 0 0 S S26 AND (DRM OR DIGITAL()RIGHTS()MANAGEMENT)
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10/5/1 (Item 1 from file: 347) [Links](#)

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06236353 \*\*Image available\*\*

**SIGNAL REPRODUCING DEVICE, SIGNAL RECORDING DEVICE, SIGNAL RECORDING SYSTEM,  
SIGNAL REPRODUCING METHOD AND SIGNAL RECORDING METHOD**

**Pub. No.:** 11-177924 [JP 11177924 A ]

**Published:** July 02, 1999 (19990702)

**Inventor:** KORI TERUHIKO

EZAKI TADASHI

OGINO AKIRA

KIMURA YUJI

**Applicant:** SONY CORP

**Application No.:** 09-340252 [JP 97340252]

**Filed:** December 10, 1997 (19971210)

**International Class:** H04N-005/91; G11B-020/10; H04N-007/08; H04N-007/081; H04N-007/083; H04N-007/087;  
H04N-007/088

**ABSTRACT**

**PROBLEM TO BE SOLVED:** To provide the signal reproducing device that records generation limit information such as a token and a ticket included in digital **data** onto a medium in a form of analog signals.

**SOLUTION:** The reproducing device 20 reproduces image **data** or the like where copyright control information for copying limit purpose is superimposed by digital **watermark** processing and a ticket representing generation limit information denoting number of **times** of possible **copying** or reproduction from a source disk S. The reproducing device 20 converts the image **data** or the like into base band analog **data** and detects the ticket. The reproducing device 20 superimposes the detected ticket on an audio signal by digital **watermark** processing and provides an output of an analog base band signal.

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10/5/2 (Item 2 from file: 347) [Links](#)

JAPIO

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06144895 \*\*Image available\*\*

**DATA CONTROL METHOD, DATA CONTROL INFORMATION EMBEDDING METHOD, DATA CONTROL INFORMATION DETECTION, DATA CONTROL INFORMATION EMBEDDING DEVICE, DATA CONTROL INFORMATION DETECTOR AND RECORDER**

**Pub. No.:** 11-086435 [JP 11086435 A ]

**Published:** March 30, 1999 (19990330)

**Inventor:** IBARAKI SUSUMU

KATSUTA NOBORU

**Applicant:** MATSUSHITA ELECTRIC IND CO LTD

**Application No.:** 10-190825 [JP 98190825]

**Filed:** July 06, 1998 (19980706)

**Priority:** 09181459 [JP 979181459], JP (Japan); July 07, 1997 (19970707)

**International Class:** G11B-020/10; G09C-001/00; G09C-001/00; G09C-005/00; H04L-009/32; H04N-001/387; H04N-005/91; H04N-007/08; H04N-007/081

#### **ABSTRACT**

**PROBLEM TO BE SOLVED:** To control copying propriety and the number of copying times and to protect a copyright by embedding prohibition information into data, such as videos and voices.

**SOLUTION:** The prohibition information 31 is embedded into the videos and permission information 32 is embedded therein by using digital signature, etc., if N times of copying is okay. At the time of reproduction of the data, the presence or absence of the permission information 32 is investigated and a permission flag is set at a 1 or 0. If the permission flag is 1, the permission information 32 is deleted and the copying of the data is made possible. If the permission flag is 0, the prohibition information 31 is detected. A prohibition flag is then made 1 or 0. If the prohibition flag is 1, a copying okay or denial flag is set at the 0 and the copying of the data is prohibited.

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10/5/3 (Item 1 from file: 350) [Links](#)

Derwent WPIX

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0009494359 *Drawing available*

WPI Acc no: 1999-436725/199937

XRPX Acc No: N1999-326044

**Signal reproducing apparatus for optical disk - outputs base band signal of superimposed analog signal with generation limitation information**

Patent Assignee: SONY CORP (SONY)

Inventor: EZAKI T; KIMURA Y; KORI T; OGINO A

Patent Family ( 2 patents, 2 countries )

Patent Number	Kind	Date	Application Number	Kind	Date	Update	Type
JP 11177924	A	19990702	JP 1997340252	A	19971210	199937	B
US 6526510	B1	20030225	US 1998207299	A	19981208	200323	E

Priority Applications (no., kind, date): JP 1997340252 A 19971210

Patent Details

Patent Number	Kind	Lan	Pgs	Draw	Filing Notes
JP 11177924	A	JA	19	7	

**Alerting Abstract JP A**

**NOVELTY** - The reproducing apparatus (20) converts digital **data** such as image **data** received by a receiving unit into analog signal of baseband. The generation limitation information which shows the frequency which can be copied or reproduced is generated and is superimposed on the analog signal of baseband by **watermark** process and is output by an output unit. **DETAILED DESCRIPTION** - **INDEPENDENT CLAIMS** are also included for the following: signal recording device; signal recording system; signal regeneration method; signal recording method

**USE** - For reproducing signals such as image, **music data** from optical disk.

**ADVANTAGE** - Achieves high copyright protection. Analog signal can be superimposed without interfering with copyright information. **DESCRIPTION OF DRAWING(S)** - The figure shows the block diagram of optical disk recording system. (20) Reproducing apparatus.

25/5/7 (Item 7 from file: 350) [Links](#)

Derwent WPIX

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0009041622 *Drawing available*

WPI Acc no: 1998-599610/199851

XRPX Acc No: N1998-467000

**Digital database distribution management method - involves computing service fee information using decoded utilisation information based on which service fee allocation is carried out**

Patent Assignee: SONY CORP (SONY)

Inventor: MAARI K

Patent Family ( 4 patents, 2 countries )

Patent Number	Kind	Date	Application Number	Kind	Date	Update	Type
JP 10269289	A	19981009	JP 199774182	A	19970326	199851	B
US 20040073451	A1	20040415	US 199846693	A	19980324	200426	E
			US 2003690911	A	20031022		
US 20040107167	A1	20040603	US 199846693	A	19980324	200436	E
			US 2003690747	A	20031022		
US 7120604	B2	20061010	US 199846693	A	19980324	200667	E
			US 2003690747	A	20031022		

Priority Applications (no., kind, date): JP 199774182 A 19970326

Patent Details

Patent Number	Kind	Lan	Pgs	Draw	Filing Notes	
JP 10269289	A	JA	39	40		
US 20040073451	A1	EN			Division of application	US 199846693
US 20040107167	A1	EN			Division of application	US 199846693
US 7120604	B2	EN			Division of application	US 199846693

**Alerting Abstract JP A**

The method involves encrypting digital data using specific encryption key. The encrypted data is transmitted to requested party based on the received transmission demand. The encrypted data is decoded using the encryption key and is transmitted. The billing information corresponding to the utilised digital data for every user is determined based on the transmitted data.

The determined billing information is then transmitted to the corresponding user. The utilisation information received by user is judged and decoded. The service fee for the utilised information to be collected from the respective user is determined based on the decoded data. Then allocation of service fee is carried out.

ADVANTAGE - Prevents copy or unauthorised usage of digital data.

[File 348] **EUROPEAN PATENTS** 1978-2007/ 200708

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\*File 348: For important information about IPCR/8 and forthcoming changes to the IC= index, see **HELP NEWSIPCR**.

[File 349] **PCT FULLTEXT** 1979-2007/UB=20070322UT=20070315

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\*File 349: For important information about IPCR/8 and forthcoming changes to the IC= index, see **HELP NEWSIPCR**.

;ds

Set Items Postings Description

S1 1606372 42324923 S DATA OR CONTENT OR FILE? ? OR SONG? ? OR MP3 OR VIDEO? ? OR MUSIC OR (AUDIOVISUAL OR AUDIO(VISUAL OR MULTIMEDIA OR MULTI(MEDIA)(3N)INFORMATION

S2 1575489 26198217 S NUMBER? ? OR HOW(MANY OR TIMES OR AMOUNT? ?

S3 38498 274736 S S2(3N)(COPY??? OR COPIE? ? OR REPRODUC??? OR REPRODUCTION? ? OR REPLICA???? OR DUPLICAT????)

S4 14879 388721 S (DIGITAL?? OR ELECTRONIC?)(3N)(SIGNATURE? ? OR FINGERPRINT??? OR FINGER(PRINT???) OR WATERMARK??? OR WATER(MARK???)

S5 666836 3333840 S PRICE? ? OR PRICING OR BILL??? OR COST??? OR INVOIC??? OR FEE OR FEES

S6 48311 329545 S S5(3N)(SET OR SETS OR SETTING OR DETERMIN??? OR DETERMINATION OR CREAT??? OR MAK??? OR ESTABLISH???? OR FIGUR??? OR COMPUT??? OR CALCULAT???? OR INDEX???)

S7 55185 279506 S S2(3N)(DOWNLOAD??? OR DOWN(LOAD??? OR SHARE? ? OR SHARING OR SAVE? ? OR SAVING OR TRANSMIT????)

S8 284 5713 S S1(3N)S3(100N)S1(3N)S7

S9 13 272 S S8(100N)S6

S10 38 836 S S8(100N)S5

S11 5 119 S S8(100N)S4

S12 42 938 S S10:S11

S13 23 562 S S12 NOT AD=19991209:20031209/PR

S14 20 494 S S13 NOT AD=20031209:20070330/PR

S15 20 494 IDPAT (sorted in duplicate/non-duplicate order)

S16 54023 1097697 S S1(3N)(COPY??? OR COPIE? ? OR REPRODUC??? OR REPRODUCTION? ? OR REPLICA???? OR DUPLICAT????)

S17 168726 2652757 S S1(3N)(DOWNLOAD??? OR DOWN(LOAD??? OR SHARE? ? OR SHARING OR SAVE? ? OR SAVING OR TRANSMIT????)

S18 173 2819 S S16(100N)S17(100N)S6

S19 36 435 S S16(20N)S17(20N)S6

S20 20 277 S S19 NOT AD=19991209:20031209/PR

S21 15 229 S S20 NOT AD=20031209:20070330/PR

S22 13 141 S S21 NOT S15

S23 8 129 S S16(100N)S17(100N)PRICE(3N)INDEX?

S24 8 129 S S23 NOT (S15 OR S22)

15/3K/2 (Item 2 from file: 348) [Links](#)

**EUROPEAN PATENTS**

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01752676

**Systems and methods for secure transaction management and electronic rights protection**

Systeme und Verfahren zur gesicherten Transaktionsverwaltung und elektronischem Rechtsschutz

Systemes et procedes de gestion de transactions securisees et de protection de droits electroniques

**Patent Assignee:**

- **ELECTRONIC PUBLISHING RESOURCES, INC.;** (976840)  
460 Oakmead Parkway; Sunnyvale, CA 94086-4708; (US)  
(Applicant designated States: all)

**Inventor:**

- **Ginter, Karl L.**  
10404 43rd Avenue; Beltsville Maryland 20705; (US)
- **Shear, Victor H.**  
5203 Battery Lane; Bethesda Maryland 20814; (US)
- **Spahn, Francis J.**  
2410 Edwards Avenue; El Cerrito California 94530; (US)
- **van Wie, David M.**  
1250 Lakeside Drive; Sunnyvale California 94086; (US)

**Legal Representative:**

- **Smith, Norman Ian et al (36041)**  
fJ CLEVELAND 40-43 Chancery Lane; London WC2A 1JQ; (GB)

	Country	Number	Kind	Date	
Patent	EP	1431864	A2	20040623	(Basic)
	EP	1431864	A3	20050216	
Application	EP	2004075701		19960213	
Priorities	US	388107		19950213	

**Designated States:**

AT; BE; CH; DE; DK; ES; FR; GB; GR; IE;  
IT; LI; LU; MC; NL; PT; SE;

**Related Parent Numbers: Patent (Application):**EP 861461 (EP 96922371)

**International Patent Class (V7):** G06F-001/00; G06F-017/60**Abstract Word Count:** 151

**NOTE:** 77

**NOTE:** Figure number on first page: 77

Type	Pub. Date	Kind	Text
Publication: English			
Procedural: English			
Application: English			

Available Text	Language	Update	Word Count
CLAIMS A	(English)	200426	1450
SPEC A	(English)	200426	166929
Total Word Count (Document A) 168379			

Total Word Count (Document B) 0
Total Word Count (All Documents) 168379

**Specification:** ...charge for events. It records and reports payment information.

Budget process 408 limits how much **content** usage is permitted. For example, budget process 408 may limit the number of times **content** may be accessed or **copied**, or it may available elsewhere such as in other containers at remote sites. Container 302 may reference items available at different **times** or only during limited times. Some items may be too large to store within container... ..for example, be delivered to the user in the form of a "live feed" of **video** at a certain time. Even then, the container 302 "contains" the live feed (by reference) in this example.

Container 302 may contain information **content** 304 in electronic (such as "digital") form. Information **content** 304 could be the text of a novel, a picture, sound such as a **musical** performance or a reading, a movie or other **video**, computer software, or just about any other kind of electronic information you can think of...

22/3K/13 (Item 9 from file: 349) [Links](#)

PCT FULLTEXT

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00344642

**SYSTEMS AND METHODS FOR SECURE TRANSACTION MANAGEMENT AND ELECTRONIC RIGHTS PROTECTION**

SYSTEMES ET PROCEDES DE GESTION SECURISEE DE TRANSACTIONS ET DE PROTECTION ELECTRONIQUE DES DROITS

**Patent Applicant/Patent Assignee:**

• **ELECTRONIC PUBLISHING RESOURCES INC;**

;;

	Country	Number	Kind	Date
Patent	WO	9627155	A2	19960906
Application	WO	96US2303		19960213
Priorities	US	95388107		19950213

**Designated States:** (All protection types applied unless otherwise stated - for applications 2004+)

Publication Language: English

Filing Language:

Fulltext word count: 207972

**Detailed Description:**

...53B show an example of an EVENT

method;

FIGURE 53C shows an example of a **BILLING** method;

**FIGURE 54** shows an example of an **ACCESS** method;

FIGURES 55A-55B show examples of **DECRYPT** and

**ENCRYPT** methods;

FIGURE 56 shows an example of a **CONTENT** method;

- 151

FIGURES 57A and 57B show examples of **EXTRACT** and

**EMBED** methods;

FIGURE 58A...

[File 88] **Gale Group Business A.R.T.S.** 1976-2007/Mar 23  
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[File 369] **New Scientist** 1994-2007/Nov W4  
(c) 2007 Reed Business Information Ltd. All rights reserved.

[File 160] **Gale Group PROMT(R)** 1972-1989  
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[File 635] **Business Dateline(R)** 1985-2007/Mar 31  
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[File 15] **ABI/Inform(R)** 1971-2007/Mar 31  
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[File 16] **Gale Group PROMT(R)** 1990-2007/Mar 30  
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[File 9] **Business & Industry(R)** Jul/1994-2007/Mar 30  
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[File 13] **BAMP** 2007/Mar W4  
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[File 810] **Business Wire** 1986-1999/Feb 28  
(c) 1999 Business Wire. All rights reserved.

[File 610] **Business Wire** 1999-2007/Apr 02  
(c) 2007 Business Wire. All rights reserved.

*\*File 610: File 610 now contains data from 3/99 forward. Archive data (1986-2/99) is available in File 810.*

[File 647] **CMP Computer Fulltext** 1988-2007/Jun W2  
(c) 2007 CMP Media, LLC. All rights reserved.

[File 98] **General Sci Abs** 1984-2007/Mar  
(c) 2007 The HW Wilson Co. All rights reserved.

[File 148] **Gale Group Trade & Industry DB** 1976-2007/Mar 22  
(c) 2007 The Gale Group. All rights reserved.

[File 634] **San Jose Mercury** Jun 1985-2007/Mar 29  
(c) 2007 San Jose Mercury News. All rights reserved.

[File 275] **Gale Group Computer DB(TM)** 1983-2007/Mar 30  
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[File 75] **TGG Management Contents(R)** 86-2007/Mar W4  
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[File 636] **Gale Group Newsletter DB(TM)** 1987-2007/Mar 30  
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[File 624] **McGraw-Hill Publications** 1985-2007/Apr 02  
(c) 2007 McGraw-Hill Co. Inc. All rights reserved.

*\*File 624: Homeland Security & Defense and 9 Platt energy journals added Please see HELP NEWS624 for more*

[File 484] **Periodical Abs Plustext** 1986-2007/Mar W4  
(c) 2007 ProQuest. All rights reserved.



[File 613] **PR Newswire** 1999-2007/Apr 02  
(c) 2007 PR Newswire Association Inc. All rights reserved.  
*\*File 613: File 613 now contains data from 5/99 forward. Archive data (1987-4/99) is available in File 813.*

[File 813] **PR Newswire** 1987-1999/Apr 30  
(c) 1999 PR Newswire Association Inc. All rights reserved.

[File 141] **Readers Guide** 1983-2007/Jan  
(c) 2007 The HW Wilson Co. All rights reserved.

[File 370] **Science** 1996-1999/Jul W3  
(c) 1999 AAAS. All rights reserved.  
*\*File 370: This file is closed (no updates). Use File 47 for more current information.*

[File 696] **DIALOG Telecom. Newsletters** 1995-2007/Mar 30  
(c) 2007 Dialog. All rights reserved.

[File 553] **Wilson Bus. Abs.** 1982-2007/Mar  
(c) 2007 The HW Wilson Co. All rights reserved.

[File 621] **Gale Group New Prod. Annou.(R)** 1985-2007/Mar 30  
(c) 2007 The Gale Group. All rights reserved.

[File 674] **Computer News Fulltext** 1989-2006/Sep W1  
(c) 2006 IDG Communications. All rights reserved.  
*\*File 674: File 674 is closed (no longer updates).*

[File 476] **Financial Times Fulltext** 1982-2007/Apr 01  
(c) 2007 Financial Times Ltd. All rights reserved.

; d s  
Set Items Postings Description  
S1 19370556 43173982 S NUMBER? ? OR HOW(MANY OR TIMES OR AMOUNT? ?  
S2 55579 138354 S S1(3N)(COPY??? OR COPIE? ? OR REPRODUC??? OR REPRODUCTION? ? OR  
REPLICA???? OR DUPLICAT????)  
S3 130151 467999 S (DIGITAL?? OR ELECTRONIC?)(3N)(SIGNATURE? ? OR FINGERPRINT??? OR  
FINGER(PRINT???) OR WATERMARK??? OR WATER(MARK???)  
S4 29688069 107722455 S PRICE? ? OR PRICING OR BILL??? OR COST??? OR INVOIC??? OR FEE OR  
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INDEX???)  
S6 1090953 3590895 S S1(3N)(DOWNLOAD??? OR DOWN(LOAD??? OR SHARE? ? OR SHARING OR  
SAVE? ? OR SAVING OR TRANSMIT????)  
S7 16 79 S INTERTRUST?(3N)COMMERCE()MODELER  
S8 3109 9988 S S2(3N)(DATA OR CONTENT OR SONG? ? OR MUSIC OR FILE OR MP3)  
S9 28891 107794 S S6(3N)(DATA OR CONTENT OR SONG? ? OR MUSIC OR FILE OR MP3)  
S10 31 226 S S8(100N)S9  
S11 16 113 RD (unique items)  
S12 6 40 S S11 NOT PY=2000:2007  
S13 259 1457 S S8:S9(50N)(DRM OR DIGITAL() (RIGHT? ? OR RESOURCE? ?)()MANAGEMENT OR  
PIRAT??? OR PIRACY OR (ACCESS??? OR USAGE)(3N)(RIGHT? ? OR AGREEMENT? ? OR LICENSE? ?))  
S14 9 59 S S13(100N)S5  
S15 3 19 RD (unique items)  
S16 84 654 S S13(100N)S4  
S17 51 388 RD (unique items)

S18 5 34 S S17 NOT PY=2000:2007  
 S19 5 34 S S18 NOT (S12 OR S15)  
 S20 201699 584813 S (DATA OR CONTENT OR SONG? ? OR MUSIC OR FILE? ? OR  
 MP3)(3N)(COPY??? OR COPIE? ? OR REPRODUC??? OR REPRODUCTION? ? OR REPLICA???? OR  
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 S21 1376858 4301333 S (DATA OR CONTENT OR SONG? ? OR MUSIC OR FILE? ? OR  
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 OR TRANSMIT????)  
 S22 16382 86876 S S20(50N)S21  
 S23 1124 8298 S S22(50N)(DRM OR DIGITAL() (RIGHT? ? OR RESOURCE? ?)()MANAGEMENT OR  
 PIRAT??? OR PIRACY OR (ACCESS??? OR USAGE)(3N)(RIGHT? ? OR AGREEMENT? ? OR LICENSE? ?))  
 S24 43 427 S S23(50N)S3  
 S25 22 215 RD (unique items)  
 S26 11 87 S S25 NOT PY=2000:2007  
 S27 26 245 S S23(50N)S5  
 S28 12 119 RD (unique items)  
 S29 1 7 S S28 NOT PY=2000:2007  
 S30 5 25 RD S7 (unique items)  
 S31 5 25 S S30 NOT PY=2000:2007

15/3,K/3 (Item 1 from file: 624) Links  
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01261655

Will Cable Unplug the File Swappers?: New pricing  
plans for broadband use could make downloading pirated music and movies  
a prohibitively costly habit

By Jane Black in New York

Business Week Online, 20020613, Pg 0

June 13, 2002

JOURNAL CODE: BWON

SECTION HEADING: Daily Briefing

WORD COUNT: 1,145

TEXT:

... says Kelly Truelove, an independent P2P expert. "If a critical mass of  
broadband providers institute pricing structures that make  
people sensitive to the amount of data they transmit,  
there will be less sharing."

RUNNING FOR COVER. The cable companies' adoption of new pricing  
strategies has less to do with stopping piracy than with economics  
and business models. At an average monthly cost of \$45, broadband is...

26/3,K/3 (Item 2 from file: 635) [Links](#)

Business Dateline(R)

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0865387 98-25750

### **Technology keeps the music flowing**

Fernandes, Lorna

Business Journal-San Jose ( San Jose , CA , US ) , V 15 N 26 p 16

**Publication Date:** 971027

**Word Count:** 1,112

**Dateline:** Redwood City, CA, US, Pacific

#### **Text:**

...music as it is streaming to a user's computer via the Internet is a "**watermarked**" code that records identifying information like the credit card number of the person **downloading the music**.

If the **music is duplicated** for sale without permission, the **pirated** copy displays the name, address and credit card number of the original culprit to all...

...for," Mr. Patterson said. "Out of all the players, Liquid Audio had the strongest package: **watermarking** abilities and encryption. The two together act as a force."

IUMA no longer provides songs...

29/3,K/1 (Item 1 from file: 16) [Links](#)

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06155767 Supplier Number: 53958100 (USE FORMAT 7 FOR FULLTEXT)

**Diversinet Corp. Offers Secure Permit Technology As Music Industry Seeks To Embrace MP3.**

Business Wire , p 0195

Feb 25 , 1999

**Language:** English **Record Type:** Fulltext

**Document Type:** Newswire ; Trade

**Word Count:** 559

...offer music to consumers using public networks, such as the Internet, without being exposed to **piracy** and **illegal copying**.

Songs can be provided to consumers on a limited (two days or one week, for example...

...copies. When Diversinet's authentication and authorization technology is used, consumers would be able to **download music** only to pre-authenticated devices that have been encoded with the same Diversinet technology. Consumers...

...the music for the time period allotted either at no cost or for a small **fee**, to be **determined** by the content provider. Consumers with devices that have not already been encoded with the...

31/3,K/1 (Item 1 from file: 16) [Links](#)

Gale Group PROMT(R)

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05706813    Supplier Number: 50164486 (USE FORMAT 7 FOR FULLTEXT)

**InterTrust Announces Internet and In-Store Kiosk Music Vending Solution**

PR Newswire , p 713SFM061

July 13 , 1998

**Language:** English    **Record Type:** Fulltext

**Article Type:** Article

**Document Type:** Newswire ; Trade

**Word Count:** 1083

...in the sales and commissions from Internet-based sales and fulfillment.

\* New Online Commerce Models: **InterTrust's Commerce**

**Modeler(TM)** product enables music industry developers to readily incorporate elements associated with cross-merchandising, promotion...

...Research Laboratory (STAR Lab) is the leading digital commerce and information security research lab.

NOTE: **InterTrust**, **Commerce Modeler**, **RightsWallet**, **DigiBox**, and **InterRights** are trademarks of InterTrust Technologies Corporation which may or may not...

[File 347] JAPIO Dec 1976-2006/Nov(Updated 070228)  
(c) 2007 JPO & JAPIO. All rights reserved.

[File 350] Derwent WPIX 1963-2006/UD=200720  
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*\*File 350: DWPI has been enhanced to extend content and functionality of the database. For more info, visit  
<http://www.dialog.com/dwpi/>.*

; d s  
Set Items Postings Description  
S1 3308 5345 S AU=(HIRAYAMA T? OR HIRAYAMA, T?)  
S2 5663 9123 S AU=(TOMITA H? OR TOMITA, H?)  
S3 4 21 S S1 AND S2  
S4 1854 3711 S (S1 OR S2) AND (DRM OR DIGITAL)RIGHT? ?(MANAG? OR COPYRIGHT? ? OR  
PIRAT???)  
S5 0 0 S S4 AND (NUMBER? ? OR HOW)MANY OR TIMES OR AMOUNT? ?)(3N)(COPY??? OR  
COPIES OR REPRODUC??? OR REPRODUCTION? ? OR REPLICA???? OR DUPLICAT????)  
S6 113 373 S S4 AND (PRICE? ? OR PRICING OR BILL??? OR COST? ? OR INVOIC???)  
S7 2 8 S S4 AND (PRICE? ? OR PRICING OR BILL??? OR COST? ? OR INVOIC???) (3N)(SET OR  
SETS OR SETTING OR DETERMIN??? OR DETERMINATION OR ESTABLISH???)  
S8 6 29 S S3 OR S7

8/5/4 (Item 2 from file: 350) [Links](#)

Derwent WPIX

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0015435710 *Drawing available*

WPI Acc no: 2005-785005/200580

Related WPI Acc No: 2001-366926; 2005-767678

XRPX Acc No: N2005-649972

**Information processing apparatus for computing pricing index, transmits notification to information processing apparatus, calculating number of times audio visual contents are transmitted**

Patent Assignee: SONY CORP (SONY)

Inventor: **HIRAYAMA T; TOMITA H**

Patent Family ( 1 patents, 1 countries )

Patent Number	Kind	Date	Application Number	Kind	Date	Update	Type
US 20050251484	A1	20051110	US 2000729568	A	20001204	200580	B
			US 2005177382	A	20050711		

Priority Applications (no., kind, date): JP 1999349775 A 19991209

Patent Details

Patent Number	Kind	Lan	Pgs	Draw	Filing Notes	
US 20050251484	A1	EN	24	16	Division of application	US 2000729568

**Alerting Abstract US A1**

NOVELTY - The apparatus has a transmitter that transmits audio visual information from holding information to the request-issuing information processing apparatus over a network. A transmitter transmits a notification to information processing apparatus, indicating the calculated number of times that the audio-visual contents have been transmitted.

DESCRIPTION - INDEPENDENT CLAIMS are also included for the following:

- information processing method; and
- storage medium storing information processing program.

USE - For computing pricing index for requested audio visual information which is electronically copied.

ADVANTAGE - It is possible to compute accurately and quickly the pricing indexes of the information contents that are exchanged over a networks.

DESCRIPTION OF DRAWINGS - The figure shows a flowchart of steps performed by the player.



8/5/5 (Item 3 from file: 350) [Links](#)

Derwent WPIX

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0015367620 *Drawing available*

WPI Acc no: 2005-767678/200578

Related WPI Acc No: 2001-366926; 2005-785005

XRPX Acc No: N2005-633852

**Pricing information processing apparatus e.g. for audio visual information, transmits notification indicating that information acquired from internet are reproduced, to another information processing apparatus managing reproduction count**

Patent Assignee: SONY CORP (SONY)

Inventor: **HIRAYAMA T; TOMITA H**

Patent Family ( 1 patents, 1 countries )

Patent Number	Kind	Date	Application Number	Kind	Date	Update	Type
US 20050246380	A1	20051103	US 2000729568	A	20001204	200578	B
			US 2005177296	A	20050711		

Priority Applications (no., kind, date): JP 1999349775 A 19991209

Patent Details

Patent Number	Kind	Lan	Pgs	Draw	Filing Notes	
US 20050246380	A1	EN	24	16	Division of application	US 2000729568

**Alerting Abstract US A1**

NOVELTY - A transmitter transmits a notification indicating that information acquired from internet are reproduced by player, to another information processing apparatus managing reproduction count.

DESCRIPTION - INDEPENDENT CLAIMS are also included for the following:

- pricing information processing method; and
- storage medium storing pricing information processing program.

USE - For processing pricing information such as audio visual (AV) information.

ADVANTAGE - Computes reproduction count and demand for information exchanged over internet, accurately and quickly.

DESCRIPTION OF DRAWINGS - The figure shows a block diagram of the network system.

1 pricing agent

8/5/6 (Item 4 from file: 350) [Links](#)

Derwent WPIX

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0010753691 *Drawing available*

WPI Acc no: 2001-366926/200138

Related WPI Acc No: 2005-767678; 2005-785005

XRPX Acc No: N2001-267725

**Information processing apparatus for computing a pricing index as a basis for pricing information such as audio-visual information that can be electronically copied by counting**

Patent Assignee: SONY CORP (SONY)

Inventor: **HIRAYAMA T; TOMITA H; TOMITA T**

Patent Family ( 4 patents, 29 countries )

Patent Number	Kind	Date	Application Number	Kind	Date	Update	Type
US 20010003814	A1	20010614	US 2000729568	A	20001204	200138	B
JP 2001167198	A	20010622	JP 1999349775	A	19991209	200140	E
EP 1107144	A2	20010613	EP 2000126705	A	20001205	200141	E
KR 2001070277	A	20010725	KR 200074321	A	20001207	200206	E

Priority Applications (no., kind, date): JP 1999349775 A 19991209

Patent Details

Patent Number	Kind	Lan	Pgs	Draw	Filing Notes
US 20010003814	A1	EN	25	16	
JP 2001167198	A	JA	15		
EP 1107144	A2	EN			
Regional Designated States,Original		AL AT BE CH CY DE DK ES FI FR GB GR IE IT LI LT LU LV MC MK NL PT RO SE SI TR			

**Alerting Abstract US A1**

**NOVELTY** - The information processing apparatus (1) consists of an acquiring element (11) that acquires the number of times information contents are downloaded over a network (2) and a second acquiring element (12) that acquires the number of times the information contents has been reproduced. A computing element (13) then calculates a pricing index for the information contents based on the number of times the information contents has been downloaded and on the number of times the information contents have been reproduced as acquired by the second acquiring element.

**DESCRIPTION** - INDEPENDENT CLAIMS are included for:

- an information processing method and
- a storage medium storing a computer program for computing a pricing index.

**USE** - Apparatus for calculating the price index of electronically reproducible content such as audio-visual data.

**ADVANTAGE** - The pricing index creates a tangible method of quantifying the demand of electronic content in a network system.

**DESCRIPTION OF DRAWINGS** - The drawing shows a block diagram of a network.

1 Pricing System

2 Network, e.g. the Internet

11 first acquiring information

12 Second acquiring information

13 Computing element.

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### IP: Digital rights and wrongs

With a software tool called **Commerce > Modeler**, content creators can, for example, permit users to get discounts for a > song if they also buy tickets to a ...  
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by Steven H. Kim - 2002 - 284 pages  
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**Commerce Modeler** d'InterTrust afin de définir et gérer leur modèle. économique, déterminer les règles de droits et d'usage, les conditions. d'utilisation. ...

[www.foruminternet.org/telechargement/documents/ideate\\_\\_musique\\_2001.pdf](http://www.foruminternet.org/telechargement/documents/ideate__musique_2001.pdf) -  
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[PPT] [Database Marketing Steven H. Kim Graduate School of Management ...](#)

File Format: Microsoft Powerpoint - [View as HTML](#)

**Commerce Modeler** by Intertrust. Publishers can set usage rights & pricing policy. Eg

Discount price for a song if user buys a ticket for specific concert. ...

[www.women.or.kr/symposium/Sympo00\\_Materials/Tutorial\\_Steve.ppt](http://www.women.or.kr/symposium/Sympo00_Materials/Tutorial_Steve.ppt) - Supplemental

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